

Average Annual Age-Adjusted Cancer Incidence Rates, 2000-2004, at the Delaware Sub-County Level

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Summary

This report was published by the Delaware Division of Public Health (DPH) to supplement cancer incidence data previously published at the state and county level. Incidence rates describe the extent to which new cancer cases are diagnosed in a population over a period of time; they are typically presented as the number of new cancer cases diagnosed per year per 100,000 individuals. This report focused on incidence rates for all cancers combined, as well as for the four most frequently occurring cancers (breast, colorectal, lung, and prostate cancers).

Incidence rates were calculated from the most recently available five-year period of data (2000-2004). Additionally, rates were age-adjusted to reflect the unique age breakdown of residents in different areas of Delaware. Incidence rates presented in this report should be interpreted as the average number of new cancer cases diagnosed per 100,000 residents each year from 2000-2004.

The report focuses on the sub-county, or Census County Division (CCD), level. CCDs are county subdivisions established cooperatively by the United State Census Bureau and state and local authorities. In general, CCDs are defined in such a way that boundaries follow visible features and census tracts. Delaware is divided into 27 CCDs, ranging in size from 6,093 to 83,884 people.

DPH chose the CCD level of analysis because it provided cancer rate information for more distinct geographical areas than whole counties. Additionally, CCD was selected as the level of analysis because of the difficulty of drawing conclusions from analyses of cancer rates in areas with smaller populations.

Analyses determined if incidence rates at the CCD level were significantly higher or lower than the incidence rate at the state level. Statistical significance was evaluated by comparing the upper and lower 95% confidence intervals of the rates. A confidence interval is sometimes called the "margin of error." A 95% confidence interval means that we are 95% sure that the incidence rate is between the lower confidence interval and upper confidence interval.

If the confidence intervals from two incidence rates do *not* overlap, we call the rates significantly different. When incidence rates are significantly different, it means that the difference between these two rates is larger than would be expected by chance alone. On the other hand, if incidence rates from two populations have confidence intervals that overlap, we cannot say that the rates are significantly different. Even at the CCD level, the confidence intervals for rates are so large that, in many instances, they overlap. A non-significant difference between incidence rates is commonly interpreted as "no meaningful difference" between rates.

Determining if two incidence rates are significantly different from one another is an important step in investigating suspected cancer clusters. The Centers for Disease Control and Prevention (CDC) and the National Cancer Institute (NCI) define a cancer cluster as a greater-than-expected number of cancers diagnosed among a population in a particular geographic area, over a given period of time.



Some cancer clusters occur simply by chance. In these situations, clusters are not the result of a single, external cause; instead, the cluster simply reflects coincidental spatial clustering among individuals who have been diagnosed with cancer.

Other cancer clusters may be due to environmental exposure. Health officials are more easily able to trace the origin of a cancer cluster to an environmental exposure if the cluster involves one or more of the following three traits: (1) the cluster contains a large number of *one* type of cancer, as opposed to several cancer types; (2) the cluster involves a *rare* cancer type, as opposed to more commonly diagnosed cancers; and (3) the cluster involves a large number of cases of a type of cancer in an age group that is usually not affected by that cancer type.

Cancer clusters may also reflect better access to health care. Residents from one geographic area may be more likely to have cancer screening services compared to residents from another area. In these situations, cancer clusters exist because more cases of cancer are being diagnosed than in other areas. As such, these cancer clusters do not reflect a truly elevated cancer risk in a geographic area.

Finally, cancer clusters may be due to clustering of lifestyle behaviors. Tobacco use, regular physical activity, diet, and other behaviors strongly impact cancer risk. If residents in one geographic area are more likely to engage in unhealthy lifestyle behaviors, the cancer incidence rate for that area may be elevated compared to other areas.

Based on 2000-2004 data, eight of the 27 CCDs in Delaware had statistically significant elevated incidence rates for one or more cancer types compared to the state. DPH will be arranging meetings with the communities in each of the eight areas with statistically higher rates, working with the respective legislators, seeking input from the Delaware Cancer Consortium, and, if appropriate, conducting formal epidemiologic studies to further investigate elevated cancer incidence rates.

| CCD | Statistically Elevated CCD Incidence Rate Compared to State Incidence Rate ¹ |
|----------------------|---|
| Central Pencader | All Cancer Combined (23) |
| 2. Kenton | All Cancer Combined (6) |
| Lower Christiana | All Cancer Combined (21) |
| 5. Lower Christiana | Lung Cancer (9) |
| 4. Middletown-Odessa | Colorectal Cancer (8) |
| 5. Millsboro | Lung Cancer (5) |
| | All Cancer Combined (65) |
| 6. New Castle | Lung Cancer (16) |
| | Prostate Cancer (21) |
| 7. Upper Christiana | Prostate Cancer (9) |
| | All Cancer Combined (36) |
| 8. Wilmington | Lung Cancer (10) |
| | Prostate Cancer (13) |

¹ Numbers in parentheses should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state.



Introduction

<u>Purpose</u>

This report was published by the Delaware Division of Public Health (DPH) to supplement cancer incidence data previously published at the state and county level. The current report focused on the sub-county, or Census County Division (CCD), level. CCDs are county subdivisions established cooperatively by the United State Census Bureau and state and local authorities. In general, CCDs are defined in such a way that boundaries follow visible features and census tracts.

Census County Divisions

Delaware is divided into 27 CCDs, ranging in size from 6,093 to 83,884 people. Figure 1 is a map of Delaware showing the CCDs used in this report. Incidence rates for all cancers combined, as well as for the four most frequently occurring cancers (breast, colorectal, lung, and prostate cancers) are presented in this report.

DPH chose the CCD level of analysis because it provided cancer rate information for more distinct geographical areas than whole counties. Additionally, CCD was selected as the level of analysis because of the difficulty of drawing conclusions from analyses of cancer rates in areas with smaller populations (such as neighborhoods).

Calculation of Rates

A cancer incidence rate is defined as the number of new cancer cases diagnosed in a population over a period of time. Incidence rates are typically presented as the number of new cancer cases diagnosed per year per 100,000 individuals. This report calculated annual average incidence rates using five years of data (2000-2004). Because Delaware is a small state, five years of data are combined and then averaged to reduce the likelihood of statistical "flukes" that might occur if only one year of data was used. The period 2000-2004 is the most recent for which a complete set of 5-year data is available.

The cancer incidence rates are age-adjusted, which is a statistical procedure that allows a rate to be compared to other populations that may be younger or older. Because the most significant influence on the risk of cancer is a person's age, age-adjustment is necessary to make sure that we "control" the effect of age when comparing a population's risk of cancer.

Statistical Significance

The 95% confidence interval for each cancer rate is also presented. A confidence interval is sometimes called the "margin of error." A 95% confidence interval means that we are 95% sure that the incidence rate is between the lower confidence interval (LCI) and upper confidence interval (UCI). When confidence intervals are *small*, we are *more* certain that the incidence rate is a good estimate. When confidence intervals are *large*, we are *less* certain that the incidence rate is a good estimate. One factor that determines the width of the confidence interval is the size of the population from which the rate is calculated. Rates calculated from small populations have larger confidence intervals than rates calculated from big populations. This means that we are less certain of the incidence rate when the rate is calculated for smaller populations.

If the confidence intervals from two incidence rates do *not* overlap, we call the rates significantly different. When the difference between two incidence rates is statistically significant, it means that the difference between these two rates is larger than would be expected by chance alone. On the other hand, if rates from



two populations have confidence intervals that overlap, we cannot say that the rates are significantly different. A non-significant difference between incidence rates is commonly interpreted as "no meaningful difference" between rates.

Sometimes the incidence rate for a CCD is highly elevated compared to the incidence rate for the state of Delaware; but, if the CCD incidence rate has a very wide confidence interval, it still may not be significantly different from the state incidence rate. When incidence rates are computed for an entire geographic area based on a very small number of cases, rates are estimated with a larger degree of uncertainty. This uncertainty is represented by a very wide confidence interval.

When confidence intervals are wide, they are more likely to overlap with the confidence intervals of incidence rates from other areas; this means that it is more difficult to establish a significant difference between incidence rates. For this reason, incidence rates are not calculated at smaller levels (such as neighborhoods). Incidence rates for small geographic levels are estimated with such a high degree of uncertainty that few, if any, conclusions can be drawn from the data.

In addition to all cancer sites combined, this report focused on calculating incidence rates for breast, colorectal, lung and prostate cancers because they are the four most commonly occurring cancers in Delaware and the United States. Incidence rates for rare cancers were not calculated at the CCD level because of the high degree of uncertainty associated with rates calculated from a very small number of cases.

Determining if two incidence rates are significantly different from one another is an important step in investigating suspected cancer clusters. The Centers for Disease Control and Prevention (CDC) and that National Cancer Institute (NCI) define a cancer cluster as a greater-than-expected number of cancers diagnosed among a population in a particular geographic area, over a given period of time.

Reasons Why Cancer Clusters Occur

Some cancer clusters occur simply by chance. In these situations, clusters are not the result of a single, external cause; rather, the cluster reflects coincidental spatial clustering among individuals who have been diagnosed with cancer.

Other cancer clusters may be due to environmental exposure. Health officials are more easily able to trace the origin of a cancer cluster to an environmental exposure if the cluster involves one or more of the following three traits: (1) the cluster contains a large number of *one* type of cancer, as opposed to several cancer types; (2) the cluster involves a *rare* cancer type, as opposed to more commonly diagnosed cancers; and (3) the cluster involves a large number of cases of a type of cancer in an age group that is usually not affected by that cancer type.

Cancer clusters may also reflect better access to health care. Residents from one geographic area may be more likely to have cancer screening services compared to residents from another area. In these situations, cancer clusters exist because more cases of cancer are being diagnosed *earlier* than in other areas. As such, these cancer clusters do not reflect a truly elevated cancer risk in a geographic area.

Finally, cancer clusters may be due to clustering of lifestyle behaviors. Tobacco use, regular physical activity, diet, and other behaviors strongly impact cancer risk. If residents in one geographic area are more



likely to engage in unhealthy lifestyle behaviors, the cancer incidence rate for that area may be elevated compared to other areas.

Differences in Terms of Number of Cases

For those CCDs with significantly higher rates of cancer than all of Delaware, we calculated the difference in terms of the number of cases. To do this, the age-adjusted rate for the state was multiplied by the CCD's population. Next, the age-adjusted rate for the CCD was multiplied by the CCD's population. The first value was subtracted from the second value to yield the difference between the CCD and the state, in terms of additional cancer cases. These differences should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state.

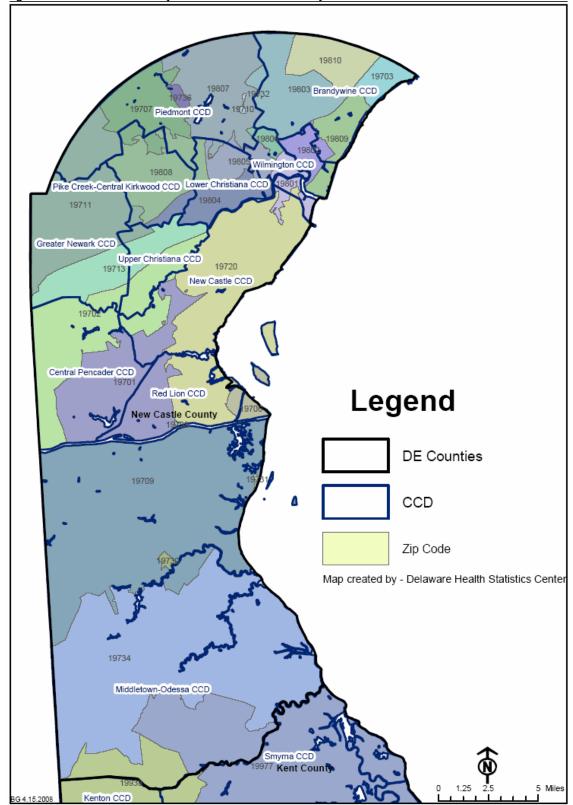
For example, the 2000-2004 average annual age-adjusted lung cancer incidence rate for Delaware was 75.2 per 100,000. If this rate is applied to the New Castle CCD population, the resulting number of expected lung cancer cases is 62. The lung cancer incidence rate for the New Castle CCD is 94.0 per 100,000. When this second rate is applied to the New Castle CCD population, the resulting number of expected lung cancer cases is 78. Subtracting the expected number of lung cancer cases in the New Castle CCD based on the state incidence rate (62) from the number of expected lung cancer cases based on the New Castle CCD incidence rate (78) yields 16. This means that the New Castle CCD experienced an average of 16 *more* lung cancer cases per year compared to the state as a whole.

Appendix A of this report provides details about how the populations, CCDs, rates, and confidence intervals were calculated.

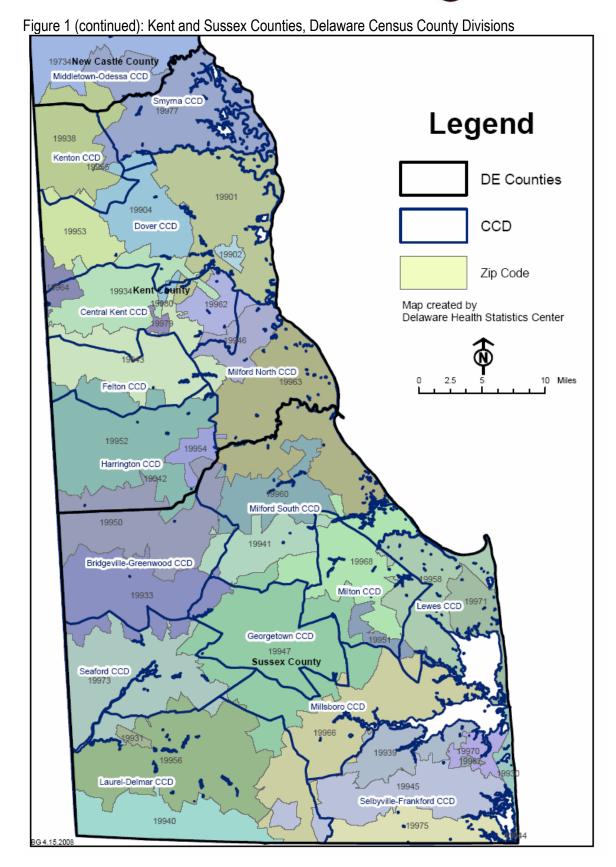
Appendix B of this report provides the population for the CCDs.



Figure 1: New Castle County Delaware Census County Divisions









Limitations

As mentioned above, we have less confidence in rates calculated for small geographic areas. CCDs are larger than other geographic units (such as neighborhoods or census tracts); however, even at the CCD level, the confidence intervals for rates are so large that, in many instances, they overlap.

Rates for different race/ethnic groups, for males and for females, and for infrequently-occurring cancers were not computed. Calculating rates for these subgroups would result in incidence rates with very wide confidence intervals, making it impossible to determine with certainty if one incidence rate is different from another.

Many factors contribute to cancer risk, including age, heredity, tobacco use, nutrition, and exposures to cancer-causing agents. Because of this, these analyses cannot determine the reason why CCD incidence rates are higher or lower in certain geographic areas.

Cancers resulting from exposure develop slowly in people, usually appearing 5-40 years after exposure to a cancer-causing agent. Migration within the state further complicates the issue; people are constantly moving in and out CCDs, making it hard to link exposure to a cancer causing agent to where a person lives. Therefore, a map, alone, cannot prove that something in the environment is responsible for elevated cancer rates.

It is also important to note that just because a person lives in an area where there is a statistically higher rate of cancer does not mean that he or she, personally, is more likely to get cancer than someone who lives in an area with a lower rate. A person's risk depends on many things including lifestyle (smoking, diet), family history, and contact with cancer causing substances (sunlight, x-rays, tobacco smoke, and chemicals).

Results

For each of the five cancer types considered here ((a) all cancer sites combined; (b) breast cancer; (c) colorectal cancer; (d) lung cancer; and (e) prostate cancer), average annual age-adjusted incidence rates for CCDs are presented in both table and graph format. For comparison purposes, tables and graphs also include respective incidence rates for the state of Delaware. Incidence rates are arranged in descending order.

In graphical format, incidence rates for CCDs are represented by blue bars. State incidence rates are represented by red bars. The black lines that accompany each bar represent the lower and upper confidence interval for that particular incidence rate.



Table 1: Average Annual Age-Adjusted Cancer Incidence Rate, All Cancer Sites Combined, Delaware, 2000-2004, by Census County Division

| | Rate | Lower Confidence Interval | Upper Confidence Interval | Statistical Significance* | Difference in Terms of "Extra" Cases† |
|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------|--|
| Kenton | 595.44 | 496.81 | 694.08 | Greater than State Rate | 6 |
| New Castle | 564.76 | 539.83 | 589.69 | Greater than State Rate | <i>65</i> |
| Central Pencader | <i>554.60</i> | <i>508.42</i> | 600.78 | Greater than State Rate | 23 |
| Lower Christiana | 543.99 | <i>512.82</i> | <i>575.16</i> | Greater than State Rate | 21 |
| Wilmington | <i>534.94</i> | <i>510.53</i> | <i>559.36</i> | Greater than State Rate | <i>36</i> |
| Upper Christiana | 531.79 | 483.76 | 579.81 | | |
| Lewes | 511.19 | 480.40 | 541.98 | | |
| Smyrna | 510.41 | 457.39 | 563.43 | | |
| Middletown-Odessa | 508.98 | 470.47 | 547.49 | | |
| Georgetown | 500.99 | 444.11 | 557.88 | | |
| Harrington | 493.38 | 434.85 | 551.91 | | |
| STATE OF DELAWARE | 486.34 | 479.72 | 492.96 | | |
| Millsboro | 481.98 | 448.31 | 515.66 | | |
| Bridgeville-Greenwood | 479.79 | 420.67 | 538.92 | | |
| Felton | 477.99 | 394.85 | 561.12 | | |
| Greater Newark | 477.91 | 452.24 | 503.57 | | |
| Brandywine | 471.69 | 452.89 | 490.49 | | |
| Dover | 470.84 | 447.37 | 494.31 | | |
| Seaford | 465.43 | 428.80 | 502.07 | | |
| Piedmont | 464.22 | 433.40 | 495.03 | | |
| Pike Creek-Central Kirkwood | 462.11 | 435.13 | 489.09 | | |
| Laurel-Delmar | 454.83 | 416.18 | 493.48 | | |
| Central Kent | 436.89 | 390.45 | 483.33 | | |
| Milton | 436.06 | 389.08 | 483.04 | | |
| Milford North | 432.06 | 376.81 | 487.30 | | |
| Selbyville-Frankford | 425.29 | 397.84 | 452.74 | Less than State Rate | |
| Milford South | <i>374.78</i> | 337.20 | 412.37 | Less than State Rate | |
| Red Lion | 317.34 | <i>251.78</i> | 382.90 | Less than State Rate | |

All rates are per 100,000 and age-adjusted to the 2000 U.S. standard population

Rates statistically different from the state rate are shown in italics

Source: Delaware Division of Public Health, Cancer Registry

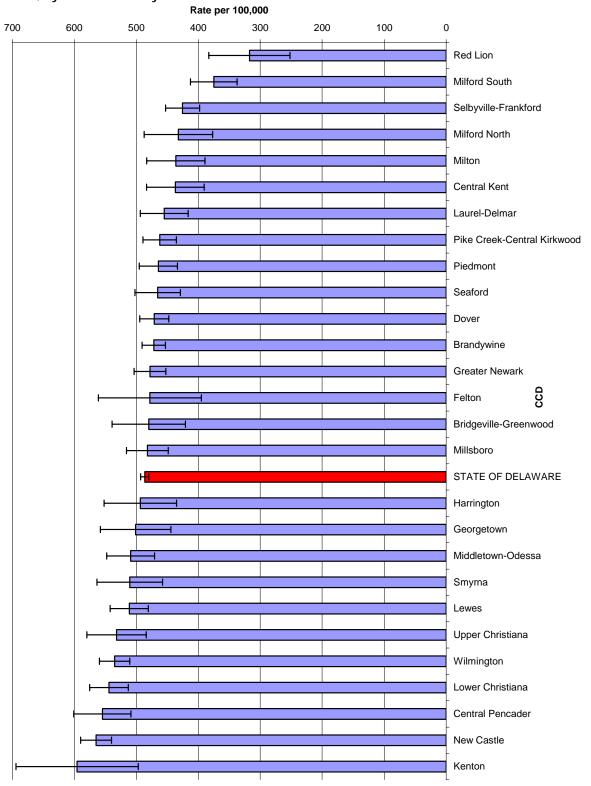
^{± &}quot;Greater than State Rate" indicates CCD rate is statistically significantly greater than the state rate

^{± &}quot;Less than State Rate" indicates CCD rate is statistically significantly lower than the state rate

[†] Numbers should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state



Figure 2: Average Annual Age-Adjusted Cancer Incidence Rate, All Sites Combined, Delaware, 2000-2004, by Census County Division



Note: Lower and upper confidence intervals indicated by black lines Source: Delaware Division of Public Health, Cancer Registry



Table 2: Average Annual Age-Adjusted Incidence Rate, Breast Cancer, Delaware, 2000-2004, by Census County Division

| | Rate | Lower Confidence Interval | Upper Confidence Interval | Statistical Significance± | Difference in Terms of "Extra" Cases† |
|-----------------------------|--------|---------------------------------|---------------------------------|------------------------------|--|
| Greater Newark | 139.27 | 120.61 | 157.93 | | |
| Upper Christiana | 138.17 | 106.69 | 169.65 | | |
| Piedmont | 135.95 | 113.01 | 158.88 | | |
| Milford North | 135.09 | 92.69 | 177.49 | | |
| Central Kent | 131.38 | 98.14 | 164.62 | | |
| Lewes | 129.79 | 107.48 | 152.10 | | |
| Georgetown | 128.83 | 89.87 | 167.80 | | |
| Wilmington | 127.77 | 111.81 | 143.74 | | |
| New Castle | 127.63 | 112.03 | 143.24 | | |
| Brandywine | 127.34 | 113.89 | 140.80 | | |
| Pike Creek-Central Kirkwood | 127.29 | 108.15 | 146.42 | | |
| Central Pencader | 124.70 | 97.37 | 152.03 | | |
| Lower Christiana | 124.55 | 103.85 | 145.26 | | |
| STATE OF DELAWARE | 123.10 | 118.56 | 127.64 | | |
| Harrington | 120.32 | 81.01 | 159.62 | | |
| Dover | 119.71 | 103.63 | 135.78 | | |
| Middletown-Odessa | 119.58 | 95.66 | 143.50 | | |
| Laurel-Delmar | 118.18 | 90.88 | 145.48 | | |
| Millsboro | 115.25 | 91.95 | 138.54 | | |
| Milton | 113.21 | 79.37 | 147.04 | | |
| Seaford | 112.67 | 87.98 | 137.35 | | |
| Bridgeville-Greenwood | 111.61 | 71.67 | 151.55 | | |
| Milford South | 104.27 | 76.71 | 131.83 | | |
| Smyrna | 95.45 | 63.83 | 127.08 | | |
| Selbyville-Frankford | 93.24 | <i>75.06</i> | 111.43 | Less than State Rate | |
| Felton | * | * | * | | |
| Kenton | * | * | * | | |
| Red Lion | * | * | * | | |

All rates are per 100,000 and age-adjusted to the 2000 U.S. standard population

Rates statistically different from the state rate are shown in italics

Source: Delaware Division of Public Health, Cancer Registry

^{*} Rates are omitted because they are based on fewer than 25 cases

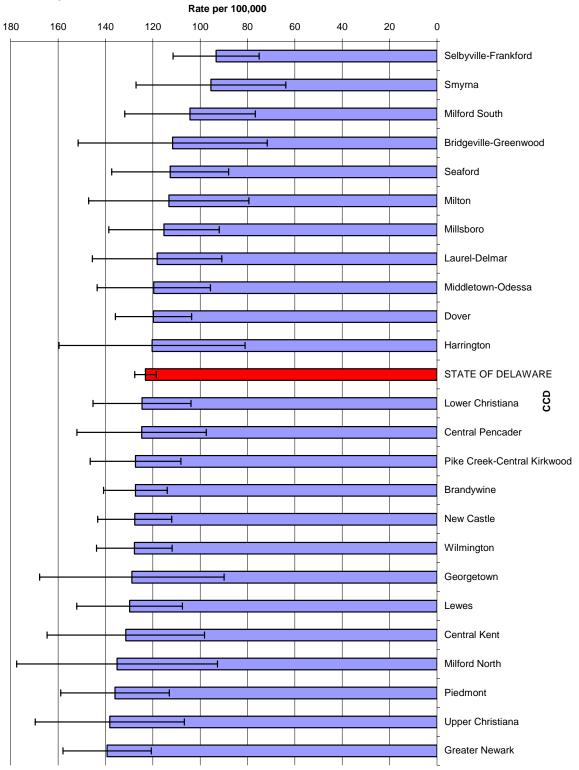
^{± &}quot;Greater than State Rate" indicates CCD rate is statistically significantly greater than the state rate

^{± &}quot;Less than State Rate" indicates CCD rate is statistically significantly lower than the state rate

[†] Numbers should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state



Figure 3: Average Annual Age-Adjusted Incidence Rate, Breast Cancer, Delaware, 2000-2004, by Census County Division



Note: Lower and upper confidence intervals indicated by black lines. Source: Delaware Division of Public Health, Cancer Registry



Table 3: Average Annual Age-Adjusted Incidence Rate, Colorectal Cancer, Delaware 2000-2004, by Census County Division

| | Rate | Lower Confidence Interval | Upper Confidence Interval | Statistical Significance± | Difference in Terms of "Extra" Cases† |
|-----------------------------|-------|---------------------------------|---------------------------------|------------------------------|--|
| Middletown-Odessa | 77.08 | 61.33 | 92.84 | Greater than State Rate | 8 |
| Smyrna | 71.20 | 51.46 | 90.93 | | |
| Bridgeville-Greenwood | 65.71 | 43.94 | 87.48 | | |
| Dover | 63.39 | 54.73 | 72.04 | | |
| Wilmington | 63.01 | 54.65 | 71.37 | | |
| New Castle | 59.90 | 51.55 | 68.24 | | |
| Upper Christiana | 58.29 | 41.45 | 75.14 | | |
| Milford South | 57.59 | 43.02 | 72.17 | | |
| Harrington | 56.88 | 36.53 | 77.24 | | |
| Seaford | 56.27 | 43.70 | 68.83 | | |
| Lower Christiana | 55.70 | 45.89 | 65.50 | | |
| Central Kent | 54.18 | 36.23 | 72.13 | | |
| STATE OF DELAWARE | 53.23 | 51.03 | 55.42 | | |
| Lewes | 52.81 | 43.03 | 62.59 | | |
| Central Pencader | 51.85 | 37.33 | 66.37 | | |
| Millsboro | 50.43 | 39.64 | 61.21 | | |
| Milford North | 50.14 | 31.57 | 68.71 | | |
| Piedmont | 49.61 | 39.79 | 59.44 | | |
| Laurel-Delmar | 47.99 | 35.42 | 60.55 | | |
| Greater Newark | 46.64 | 38.53 | 54.75 | | |
| Brandywine | 45.48 | 39.79 | 51.18 | | |
| Milton | 43.90 | 29.35 | 58.44 | | |
| Pike Creek-Central Kirkwood | 43.12 | 34.95 | 51.29 | | |
| Selbyville-Frankford | 41.36 | 32.62 | <i>50.11</i> | Less than State Rate | |
| Felton | * | * | * | | |
| Georgetown | * | * | * | | |
| Kenton | * | * | * | | |
| Red Lion | * | * | * | | |

All rates are per 100,000 and age-adjusted to the 2000 U.S. standard population

Rates statistically different from the state rate are shown in italics

Source: Delaware Division of Public Health, Cancer Registry

^{*} Rates are omitted because they are based on fewer than 25 cases

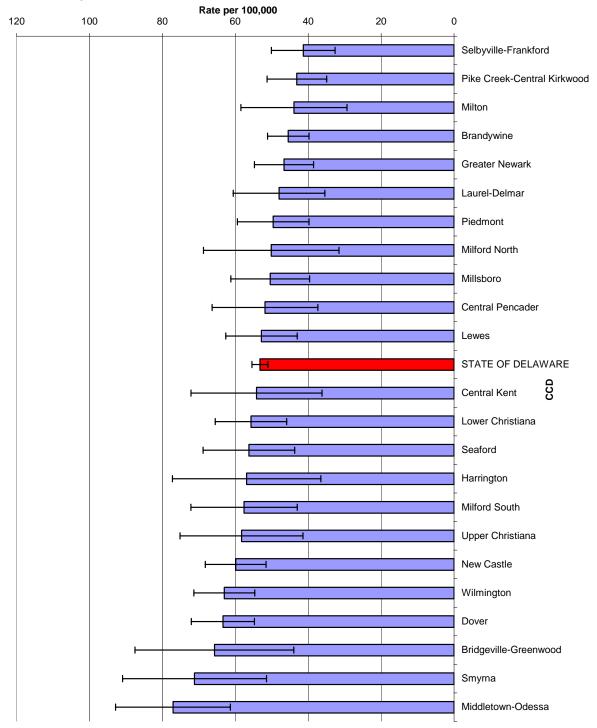
^{± &}quot;Greater than State Rate" indicates CCD rate is statistically significantly greater than the state rate

^{± &}quot;Less than State Rate" indicates CCD rate is statistically significantly lower than the state rate

[†] Numbers should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state



Figure 4: Average Annual Age-Adjusted Incidence Rate, Colorectal Cancer, Delaware, 2000-2004, by Census County Division



Note: Lower and upper confidence intervals indicated by black lines. Source: Delaware Division of Public Health, Cancer Registry



Table 4: Average Annual Age-Adjusted Incidence Rate, Lung Cancer, Delaware, 2000-2004, by Census County Division

| | Rate | Lower Confidence Interval | Upper Confidence Interval | Statistical Significance± | Difference in Terms of "Extra" Cases† |
|-----------------------------|--------------|---------------------------------|---------------------------------|------------------------------|--|
| Kenton | 110.13 | 69.34 | 150.92 | | |
| Lower Christiana | 99.76 | 86.55 | 112.97 | Greater than State Rate | 9 |
| Harrington | 99.47 | 73.42 | 125.52 | | |
| Smyrna | 99.06 | 75.85 | 122.26 | | |
| Millsboro | 97.61 | <i>82.98</i> | 112.24 | Greater than State Rate | 5 |
| New Castle | 94.04 | 83.68 | 104.41 | Greater than State Rate | 16 |
| Bridgeville-Greenwood | 91.87 | 66.15 | 117.59 | | |
| Wilmington | 88.35 | <i>78.39</i> | 98.32 | Greater than State Rate | 10 |
| Georgetown | 84.34 | 60.96 | 107.72 | | |
| Central Pencader | 80.55 | 61.40 | 99.69 | | |
| Dover | 79.28 | 69.64 | 88.91 | | |
| Seaford | 78.18 | 63.30 | 93.06 | | |
| Laurel-Delmar | 76.39 | 60.78 | 92.00 | | |
| STATE OF DELAWARE | 75.22 | 72.63 | 77.81 | | |
| Upper Christiana | 74.67 | 56.08 | 93.26 | | |
| Selbyville-Frankford | 74.63 | 63.54 | 85.72 | | |
| Middletown-Odessa | 72.08 | 57.27 | 86.89 | | |
| Pike Creek-Central Kirkwood | 71.48 | 60.95 | 82.01 | | |
| Central Kent | 70.68 | 51.28 | 90.07 | | |
| Milford North | 67.42 | 45.98 | 88.86 | | |
| Lewes | 67.36 | 56.65 | 78.07 | | |
| Greater Newark | 63.70 | 54.24 | 73.17 | | |
| Milton | 61.55 | 44.14 | 78.96 | | |
| Milford South | <i>57.74</i> | 43.13 | <i>72.35</i> | Less than State Rate | |
| Brandywine | <i>57.42</i> | 50.99 | 63.86 | Less than State Rate | |
| Piedmont | 45.51 | <i>35.95</i> | 55.07 | Less than State Rate | |
| Felton | * | * | * | | |
| Red Lion | * | * | * | | |

All rates are per 100,000 and age-adjusted to the 2000 U.S. standard population

Rates statistically different from the state rate are shown in italics

Source: Delaware Division of Public Health, Cancer Registry

^{*} Rates are omitted because they are based on fewer than 25 cases

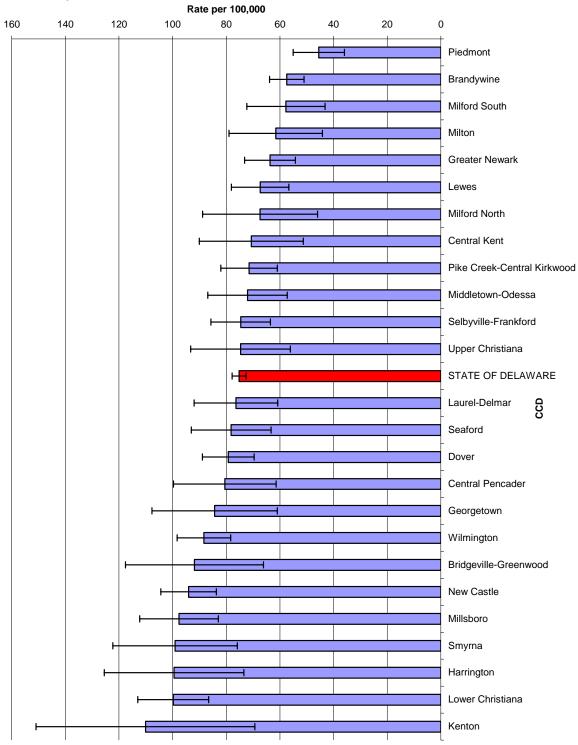
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[†] Numbers should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state



Figure 5: Average Annual Age-Adjusted Incidence Rates, Lung Cancer, Delaware, 2000-2004, by Census County Division



Note: Lower and upper confidence intervals indicated by black lines. Source: Delaware Division of Public Health, Cancer Registry



Table 5: Average Annual Age-Adjusted Incidence Rates, Prostate Cancer, Delaware, 2000-2004, by Census County Division

| | Rate | Lower Confidence Interval | Upper Confidence Interval | Statistical Significance± | Difference in Terms of "Extra" Cases† |
|-----------------------------|---------------|---------------------------------|---------------------------------|------------------------------|--|
| Kenton | 263.23 | 165.73 | 360.73 | | |
| Upper Christiana | 244.70 | 192.98 | 296.42 | Greater than State Rate | 9 |
| New Castle | 221.40 | 197.30 | 245.51 | Greater than State Rate | 21 |
| Piedmont | 204.82 | 173.56 | 236.07 | | |
| Wilmington | 204.61 | 181.57 | 227.65 | Greater than State Rate | 13 |
| Georgetown | 190.94 | 139.04 | 242.84 | | |
| Lower Christiana | 188.28 | 160.92 | 215.63 | | |
| Central Pencader | 185.40 | 146.44 | 224.35 | | |
| Brandywine | 181.71 | 164.29 | 199.13 | | |
| Greater Newark | 181.28 | 157.04 | 205.51 | | |
| Middletown-Odessa | 176.40 | 141.11 | 211.68 | | |
| Dover | 170.26 | 149.24 | 191.28 | | |
| STATE OF DELAWARE | 169.01 | 163.20 | 174.82 | | |
| Pike Creek-Central Kirkwood | 161.08 | 137.28 | 184.88 | | |
| Smyrna | 158.43 | 114.95 | 201.92 | | |
| Central Kent | 156.56 | 115.92 | 197.20 | | |
| Milford North | 140.91 | 95.50 | 186.31 | | |
| Selbyville-Frankford | <i>135.11</i> | <i>113.63</i> | 156.59 | Less than State Rate | |
| Lewes | 134.36 | 112.26 | 156.46 | Less than State Rate | |
| Millsboro | 127.22 | 103.11 | <i>151.32</i> | Less than State Rate | |
| Laurel-Delmar | 125.62 | 96.19 | <i>155.05</i> | Less than State Rate | |
| Milton | 119.64 | 84.29 | 155.00 | Less than State Rate | |
| Harrington | 117.96 | <i>75.03</i> | 160.90 | Less than State Rate | |
| Seaford | 114.76 | 88.07 | 141.45 | Less than State Rate | |
| Bridgeville-Greenwood | 114.04 | 71.80 | <i>156.28</i> | Less than State Rate | |
| Milford South | 105.21 | <i>75.75</i> | 134.67 | Less than State Rate | |
| Felton | * | * | * | | |
| Red Lion | * | * | * | | |

All rates are per 100,000 and age-adjusted to the 2000 U.S. standard population

Rates statistically different from the state rate are shown in italics

Source: Delaware Division of Public Health, Cancer Registry

^{*} Rates are omitted because they are based on fewer than 25 cases

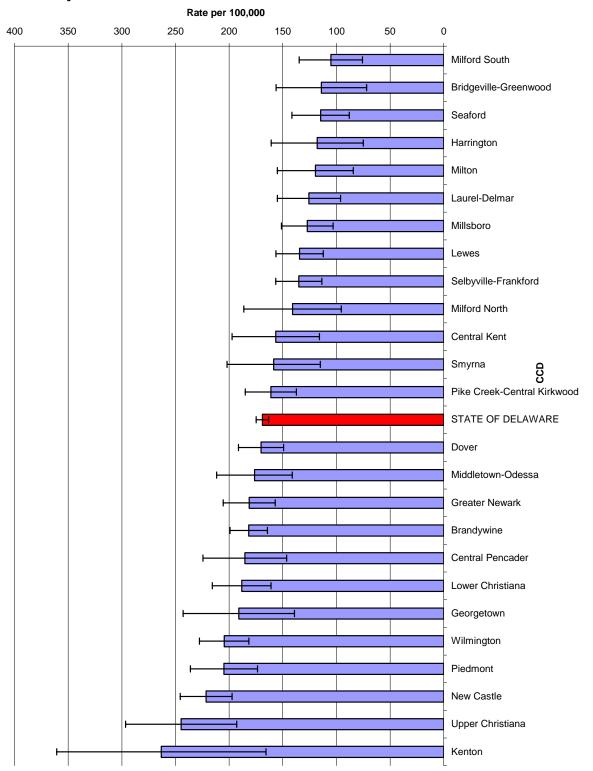
^{± &}quot;Greater than State Rate" indicates CCD rate is statistically significantly greater than the state rate

^{± &}quot;Less than State Rate" indicates CCD rate is statistically significantly lower than the state rate

[†] Numbers should be interpreted as the "extra" number of cases per year that are expected to occur in the CCD as a result of the CCD having a higher incidence rate compared to the state



Figure 6: Average Annual Age-Adjusted Incidence Rates, Prostate Cancer, Delaware, 2000-2004, by Census County Division



Note: Lower and upper confidence intervals indicated by black lines. Source: Delaware Division of Public Health, Cancer Registry



A Need for Future Research

As discussed under the "Limitations" section, this analysis cannot determine why some areas of the state have higher cancer rates than others. Possible reasons could include coincidental spatial clustering, environmental exposure, migration of people into or out of the area, differences in lifestyle risk factors, and improved access to health care. Additional study of the areas where there are higher rates will be necessary to gain further insight into the possible reasons. Questions that could be asked are:

- Are unusual cancers occurring that have known environmental causes?
- Are the people who are getting cancer younger than we normally would expect?
- Do these people have similar occupations?
- Are people in the area more or less likely to be screened for cancer than in areas with lower rates?
- Do areas with elevated rates contain disproportionate numbers of those at higher risk for cancer, including individuals in low income groups or in racial and ethnic groups known to be at high risk?
- Do a disproportionate number of residents in areas with elevated rates engage in lifestyle risk factors that place them at higher risk for developing cancer (e.g., tobacco use, sedentary lifestyle)?

To explore these questions and others, DPH will be arranging meetings with the communities in each of the areas with statistically higher rates, working with the respective legislators, seeking input from the Delaware Cancer Consortium, and, if appropriate, conducting formal epidemiologic studies to answer specific questions.



Appendix A: Review of Methodology

Preliminary Data Analyses

Preliminary analyses were performed on five raw data files created for the Division of Public Health (DPH) by the Delaware Cancer Registry One file included records of all cancer cases diagnosed in Delaware between 2000 and 2004 (all cancer sites combined). The remaining four data files included all cancer cases, diagnosed in Delaware during the same time period, for the following four primary sites: (a) female breast; (b) colorectal; (c) lung / bronchus; and (d) prostate.

Raw data files were sorted by tumor behavior code². Behavior codes are assigned using the following coding scheme³:

- 0 = benign (tumor is growing in an isolated location and will not spread to surrounding tissue)
- 1 = uncertain (tumor displays borderline malignancy or uncertain malignancy potential)
- 2 = in situ (tumor has the potential to spread to surrounding tissue, but is currently contained in an isolated location)
- 3 = malignant (tumor has invaded surrounding tissue)

Per reporting guidelines mandated by the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute, cancer incidence rates *exclude* benign tumors, non-urinary bladder in situ tumors, and basal and squamous cell cancers. However, state cancer registries may still collect data on these tumors for tracking purposes. Therefore, raw data files were analyzed to determine the proportion of cases involving benign, non-urinary bladder in situ tumors, and basal and squamous cell cancers; all cases involving benign tumors, non-bladder in situ tumors, and basal and squamous cell cancer were eliminated from files; all malignant tumors, as well as any tumors with an unknown behavior code, were retained for further analyses. Table A1 displays the distribution of tumor behaviors across the five raw cancer files.

² Behavior code describes a tumor's pattern of growth within the body

³ As defined by the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute and printed in the International Classification of Diseases for Oncology, Third Edition (ICD-O-3).

Table A1: Distribution of Tumor Behavior by Primary Site

| | All Site | Breast | Colorectal | Lung | Prostate |
|--|-----------------------|------------------------|-----------------|-------------|-------------|
| Total Cases | 22,791 | 3,681 | 2,439 | 3,328 | 3,340 |
| Benign | 58 | 0 | 1 | 0 | 0 |
| Unknown | 24 | 0 | 0 | 0 | 0 |
| In Situ <i>Urinary Bladder⁴</i> <i>Non-Urinary Bladder</i> | 2,035 493 1,542 | 795 <i>0</i> 795 | 127 0 127 | 1 0 1 | 4 0 4 |
| Malignant | 20,774 | 2,886 | 2,311 | 3,327 | 3,336 |
| Total Cases Retained | 21,191 | 2,886 | 2,311 | 3,327 | 3,336 |

Source: Delaware Division of Public Health, Cancer Registry

After retaining all appropriate cancer cases, raw data files were truncated to include the following 12 variables: (1) patient ID number; (2) gender; (3) age at diagnosis; (4) race; (5) Spanish / Hispanic origin; (6) census tract at diagnosis; (7) county of residence at diagnosis; (8) zipcode at diagnosis; (9) year of diagnosis; (10) primary tumor site; (11) tumor behavior code; (12) tumor histology code. Raw data files were converted into comma separated data files and imported into SAS for further analysis.

Secondary Data Analyses

Secondary analyses focused on creation of the Census County Division (CCD) variable. CCDs represent county subdivisions and are established, cooperatively, by the United State Census Bureau and state and local authorities. CCDs have been established in 21 states and represent a useful method of presenting statistics in areas where minor civil divisions (i.e., primary governmental or administrative sectors within counties) do not exist. In general, CCDs are defined in such a way that boundaries follow visible features and census tracts (where available). In Delaware, 27 CCDs are defined using census tracts. While the Delaware Cancer Registry collects census tract data, it is not mandated to record the CCD in which each new diagnosed cancer case exists; therefore, prior to any analyses involving CCDs, the CCD variable must be manually created using existing census tract data.

As of the 2000 Census, Delaware is subdivided into 197 census tracts (please note that census tracts *do not* follow a consecutive numbering scheme). New Castle County includes tracts 1 through 169.02. Kent County is comprised of census tracts 401 through 431, and Sussex County includes census tracts 501.01 through 519. The Delaware Cancer Registry codes census tracts using a 5-digit coding scheme; the 5-digit coding system accounts for census tracts with values carried out to the tenths and hundredths positions following a decimal point (e.g., 169.02). Census tracts *without* digits following a decimal point are coded with trailing zeroes that serve as "place holder" values. For example, within the raw data, census tract 519 is coded as 51900. For census tracts lower than 100 (i.e., tracts 1 through 27), leading zeroes serve as "place holder" values in the 5-digit numbering scheme. For example, census tracts 1 and 6.01 are coded as

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⁴ In situ bladder tumors indicated by primary site codes C670 – C679.



00100 and 00601, respectively, within the registry data. Importation of the raw data files from Excel into SAS results in the deletion of leading zeroes from the census tract variable. Therefore, the first step in creating CCDs was to manually recode all census tract values back to their original 5-digit values. The CCD variable was created using operational CCD definitions provided by the Delaware Health Statistics Center. Table A2 shows the operational definitions (based on census tracts) for all 27 CCDs. For cancer cases which missing or invalid census tract data, CCD was labeled "Unknown".

Table A2: Census County Divisions: Operational Definitions by Census Tract

| <u> </u> | | ons: Operational Definitions by Census Tract |
|----------|-----------------------|--|
| 4 | CCD Name | Census Tracts Included |
| 1 | Central Kent | 42000, 42100, 42201, 42202 |
| 2 | Dover | 40400 (if zip = 19901 or 19961), 40500, 40600, 40700, 40800, 40900, 41000, |
| | | 41100, 41200, 41300, 41400, 41500, 41600, 41701, 41702, 41801, 41802, |
| _ | | 41900 |
| 3 | Felton | 42800 |
| 4 | Harrington | 42900, 43000, 43100 |
| 5 | Kenton | 40100 |
| 6 | Milford North | 42400, 42500, 42600, 42700 |
| 7 | Smyrna | 40400 (if zip = 19977), 40201, 40202, 40203 |
| 8 | Brandywine | 10101, 10102, 10200, 10300, 10400, 10500, 10700, 10800, 10900, 11000, |
| | | 11100, 11201, 11202, 11203, 11204, 11205, 11206, 11300, 11400, 11500, |
| | | 11600, 11700 |
| 9 | Central Pencader | 14805, 14806, 14807, 14808 |
| 10 | Greater Newark | 13610, 13611, 13700, 14803, 14100, 14200, 14300, 14402, 11403, 14404, |
| | | 14501, 14502, 14702, 14703, 14705, 14706 |
| 11 | Lower Christiana | 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12900 |
| 12 | Middletown-Odessa | 16601, 16602, 16603, 16604, 16801, 16802, 16901, 16902 |
| 13 | New Castle | 14902, 14903, 14904, 14905, 15000, 15100, 15200, 15400, 15500, 15600, |
| | | 15800, 15900, 16000, 16100, 16200, 16301, 16302, 16303 |
| 14 | Peidmont | 11800, 11900, 13501, 13503, 13504 |
| 15 | Pike Creek-Central | 13000, 13100, 13200, 13300, 13400, 13604, 13607, 13608, 13609, 13612, |
| | Kirkwood | 13613 |
| 16 | Red Lion | 16401, 16402 |
| 17 | Upper Christiana | 13800, 13901, 13902, 14000 |
| 18 | Wilmington | 00100, 00200, 00300, 00400, 00500, 00601, 00602, 00700, 00800, 00900, |
| | v | 01000, 01100, 01200, 01300, 01400, 01500, 01600, 01700, 01800, 01900, |
| | | 02000, 02100, 02200, 02300, 02400, 02500, 02600, 02700 |
| 19 | Bridgeville-Greenwood | 50301, 50302 |
| 20 | Georgetown | 50501, 50502 |
| 21 | Laurel-Delmar | 51701, 51702, 51801, 51802, 51900 |
| 22 | Lewes | 50900, 51001, 51002, 51003, 51100 |
| 23 | Milford South | 50101, 50102, 50103, 50200 |
| 24 | Millsboro | 50601, 50602, 50701, 50702 |
| 25 | Milton | 50801, 50802, 50803 |
| 26 | Seaford | 50401, 50402, 50403, 50404 |
| 27 | Selbyville-Frankford | 51200, 51301, 51302, 51303, 51304, 51400, 51500 |

Source: Delaware Division of Public Health, Delaware Health Statistics Center



To evaluate the accuracy of geographic variables, follow-up analyses involved cross-tabulations using three geographic variables. The Delaware Cancer Registry collects several variables related to location of residence at the time of cancer diagnosis. Hospital registries report patients' street address, zip code, and county of residence, all at the time of diagnosis, to the Central Registry. Geocoding software is used at the Central Registry level to assign census tract codes to each new record; census tract assignment is based on street address and zip code. Data analysts are increasingly confident of the accuracy of the data when record-level zip code, census tract, and county code data indicate the same county of residence at the time of diagnosis.

As mentioned previously, Delaware is comprised of 197 census tracts. Based on census tracts data, a new variable "ccode" was created to represent the county in which the cancer case would have been diagnosed assuming the census tract of residence at time of diagnosis was coded accurately. That is, the variable "ccode" answered the question, "If a person was diagnosed in this census tract, in what county would they have been diagnosed?" Table A3 shows the breakdown of counties by census tract.

Table A3: Delaware Counties by Census Tract

| County | Census Tracts Included |
|-------------------|--|
| New Castle County | 00100, 00200, 00300, 00400, 00500, 00601, 00602, 00700, 00800, 00900, 01000, 01100, 01200, 01300, 01400, 01500, 01600, 01700, 01800, 01900, 02000, 02100, 02200, 02300, 02400, 02500, 02600, 02700, 10101, 10102, 10200, 10300, 10400, 10500, 10700, 10800, 10900, 11000, 11100, 11201, 11202, 11203, 11204, 11205, 11206, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12900, 13000, 13100, 13200, 13300, 13400, 13501, 13503, 13504, 13604, 13607, 13608, 13609, 13610, 13611, 13612, 13613, 13700, 13800, 13901, 13902, 14000, 14100, 14200, 14300, 14402, 14403, 14404, 14501, 14502, 14702, 14703, 14705, 14706, 14803, 14805, 14806, 14807, 14808, 14902, 14903, 14904, 14905, 15000, 15100, 15200, 15400, 15500, 15600, 15800, 15900, 16000, 16100, 16200, 16301, 16302, 16303, 16401, ,16402, 16601, 16602, 16603, 16604, 16801, 16802, 16901, 16902 |
| Kent County | 40100, 40201, 40202, 40203, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 41300, 41400, 41500, 41600, 41701, 41702, 41801, 41802, 41900, 42000, 42100, 42201, 42202, 42400, 42500, 42600, 42700, 42800, 42900, 43000, 43100 |
| Sussex County | 50101, 50102, 50103, 50200, 50301, 50302, 50401, 50402, 50403, 50404, 50501, 50502, 50601, 50602, 50701, 50702, 50801, 50802, 50803, 50900, 51001, 51002, 51003, 51100, 51200, 51301, 51302, 51303, 51304, 51400, 51500, 51701, 51702, 51801, 51802, 51900 |

Source: Delaware Division of Public Health



Delaware is comprised of 93 zip codes. As with census tract data, new variable "zcode" was created to represent the county in which a cancer case would have been diagnosed assuming the zip code of residence at time of diagnosis was coded accurately. Thus, the variable "zcode" answered the question, "If a person was diagnosed in this zip code, in what county would they have been diagnosed?" Table A4 shows the breakdown of counties by zip code.

Table A4: Delaware Counties by Zip Code

| County | Zip Codes Included |
|-------------------|---|
| New Castle County | 19701, 19702, 19703, 19706, 19707, 19709, 19710, 19711, 19713, 19720, 19730, 19731, 19732, 19733, 19734, 19736, 19801, 19802, 19803, 19804, 19805, 19806, 19807, 19808, 19809, 19810 and 19938 if census tract = 16901 19977 if census tract = 16901 or 16902 |
| Kent County | 19901, 19902, 19903, 19904, 19905, 19934, 19936, 19943, 19946, 19952, 19953, 19954, 19955, 19961, 19962, 19964, 19979, 19980, and 19938 if census tract = 40100 or 40201 19963 if census tract = 42600 19977 if census tract = 40100, 40201, 40202, 40203, or 40404 |
| Sussex County | 19930, 19931, 19933, 19939, 19940, 19941, 19944, 19945, 19947, 19950, 19951, 19956, 19958, 19960, 19966, 19967, 19968, 19969, 19970, 19971, 19973, 19975, and 19963 if census tract = 50101, 50102, or 50103 |

Source: Delaware Division of Public Health

Cross-tabulations ("ccode" x "zcode" x county) were performed within each dataset. Consistent results (i.e., "ccode" = "zcode" = county code) were assumed to be indicative of accurately coded geographic data. For example, consider a hypothetical record for Individual A, diagnosed with breast cancer. If the data indicated that Individual A resided in census tract 02700 (New Castle County), within zip code 19801 (New Castle County), and the county of residence for Individual A was coded as New Castle County, geographic data were assumed accurate.

Conversely, geographic data were considered inconsistent if one of the following three scenarios existed: (a) "ccode" ≠ "zcode"; (b) "ccode" ≠ county; (c) "zcode" ≠ county). For example, if the data indicated that Individual B, a hypothetical prostate cancer patient, resided in census tract 50102 (Sussex County), within zip code 19901 (Kent County), and the county of residence for Individual B was coded as Sussex County, geographic data were inconsistent.

Records with inconsistent geographic data were subsetted for further analyses; analyses revealed that geographic inconsistencies belonged to one of 12 categories. These categories are outlined in Table A5.



Table A5: 12 Categories of Inconsistent Geographic Data

- 1 Zip code and census tract point to the same county of diagnosis; county code is non-matching
- 2 Zip code and county code point to the same county of diagnosis; census tract is non-matching
- 3 Census tract and county code point to the same county of diagnosis; zip code is non-matching
- 4 Zip code and census tract point to the same county of diagnosis; county code is missing
- 5 Zip code and county code point to the same county of diagnosis; census tract is missing
- 6 Census tract and county code point to the same county of diagnosis; zip code is missing
- 7 Zip code and census tract are non-matching; county code is missing
- 8 Census tract and county code are non-matching; zip code is missing
- 9 Zip code and county code are non-matching; census tract is missing
- 10 Zip code data available; census tract and county code data are both missing
- 11 Census tract data available; zip code and county code data are both missing
- 12 County code data available; zip code and census tract data are both missing

Source: Delaware Division of Public Health

Three categories of inconsistency among geographic variables warranted record elimination. First, records were eliminated if census tract data were missing. Second, records were eliminated if census tract pointed to a different county of diagnosis than did zip code and county code. For example, if the record for Individual C indicated that that the person was diagnosed in census tract 02700 (New Castle County), but zip code and county code data both indicated that the county of residence at time of diagnosis was Sussex County, the record was eliminated. Third, records were eliminated if census tract, zip code, and county code were completely non-matching (i.e., census tract indicated New Castle County as the county of residence at time of diagnosis, while zip code and county code indicated Kent and Sussex Counties, respectively, as the county of residence at the time of diagnosis). Provided they did not meet any of the above three scenarios, records were retained for incidence rate analyses.

Table A6 shows the total number of records, the number of records with inconsistent geographic data, and the number of records ultimately eliminated from further analyses among the five cancer data sets.

Table A6: Breakdown of Geographically Inconsistent Records, by Data Set

| | Total No. Cases | No. Cases with | No. Cases | No. Cases Retained |
|---------------------|-----------------|-----------------|------------|--------------------|
| | (from DCR) | Inconsistent | Ultimately | for Incidence Rate |
| | , | Geographic Data | Eliminated | Analysis |
| All Site, 2000-04 | 21,191 | 860 | 570 | 20,721 |
| Breast, 2000-04 | 2,886 | 98 | 59 | 2,827 |
| Colorectal, 2000-04 | 2,312 | 88 | 49 | 2,263 |
| Lung, 2000-04 | 3,327 | 126 | 86 | 3,241 |
| Prostate, 2000-04 | 3,336 | 123 | 83 | 3,253 |

Source: Delaware Division of Public Health

Calculating Age-Adjusted Incidence Rates

CCD population denominators were calculated by the Delaware Health Statistics Center using estimates from the Delaware Population Consortium and the 2000 Census. CCD population denominators were stratified by gender (male, female) and age group (0-4 yrs, 5-14 yrs, 15-24 yrs, 25-34 yrs, 35-44 yrs, 45-54 yrs, 55-64 yrs, 65-74 yrs, 75-84 yrs, and 85+ years). Population denominators were available for the 6-year time period encompassing 2000-2005. Denominators for years 2000 through 2004 were summed to obtain

the 2000-2004 population for each CCD. Five-year (2000-2004) population estimates ranged in size from 27,924 for Kenton to 414,251 for New Castle. Please refer to Appendix B for total and gender-specific populations by CCD. Within these tables, CCDs are arranged in order of descending size by 2000-2004 population; below each 5-year population estimate is a one-year population estimate (2005 only) for that CCD.

Within each of the five cancer data files, cross-tabulations (age group x CCD) were performed to determine the number of cancer cases by CCD and the age groups in which they were diagnosed. These frequencies were used to calculate crude and age-adjusted incidence rates. Crude incidence rates represent the total number of new cancer diagnoses over the total population at risk, without consideration of any demographic characteristics of the population. Age-adjusted incidence rates take into account the age distribution of the population at risk; age-adjusted incidence rates are useful for comparing rates between two populations that differ in age composition.

To calculate crude incidence rates, the number of cancer cases diagnosed in a particular age group in a particular CCD was divided by the population size for that specific cohort; these values were then multiplied by 100,000 (see Equation A1). To determine the 2000-2004 crude incidence rate for an entire CCD, the number of cancer cases diagnosed in a CCD over the 5-year period was divided by the total population of the CCD for the same 5-year period, and this value was multiplied by 100,000.

Equation A1: 2000-2004 Crude All Site Incidence Rate, 25-34 year olds, Milford South

$$\frac{\text{(No. cancer cases (2000 - 2004) among 25 - 34 year olds in Milford South)}}{\text{(2000 - 2004 population, 25 - 34 year olds in Milford South)}} = \frac{\text{(3)}}{\text{(8983)}} \times 100,000 = 33.4 \text{ per 100,000}$$

To calculate age-adjusted incidence rates, crude incidence rates for each age group were multiplied by the appropriate 2000 U.S. Standard Million Population weight⁵. Table A7 displays the U.S. Standard Million population weights, by age group. Age-adjusted incidence rates for each of the 10 age groups were summed to yield the age-adjusted incidence rate for an entire population.

Table A7: U.S. Standard Million Population Weights, by Age Group

| Age Group | U.S. Standard Million |
|-----------|-----------------------|
| | Population Weight |
| 0-4 yrs | 0.069135 |
| 5-14 yrs | 0.145565 |
| 15-24 yrs | 0.138646 |
| 25-34 yrs | 0.135573 |
| 35-44 yrs | 0.162613 |
| 45-54 yrs | 0.134834 |
| 55-64 yrs | 0.087247 |
| 65-74 yrs | 0.066037 |
| 75-84 yrs | 0.044842 |
| 85+ yrs | 0.015508 |

Source: Centers for Disease Control and Prevention,

National Center for Health Statistics

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⁵ Published by the Centers of Disease Control and Prevention and the National Center for Health Statistics.



Upper and lower (95%) confidence intervals were calculated around age-adjusted incidence rates for each CCD. The following formulas were used to generate upper and lower confidence limits:

$$Lower \ Confidence \ Interval = \quad AA \ Rate - 1.96 \left(\frac{\left(AA \ Rate\right)}{\sqrt{\text{\# Cases}}}\right)$$

Upper Confidence Interval = AA Rate +
$$1.96 \left(\frac{\text{(AA Rate)}}{\sqrt{\text{\# Cases}}} \right)$$
,

where AA Rate represents the age-adjusted incidence rate for a particular CCD.

Appendix B: CCD Populations, 2000-2004 and 2005 Only

| Appo | naix B. OOB i ope | | 0 1 dild 2000 0111j | | | | Pike Creek- |
|-------------------|---|--|--|--|--|--|---|
| | 2000-2004 | New Castle | Brandywine | Wilmington | Dover Gre | eater Newark | Central Kirkwood |
| | Total (M + F): | 414,251 | 395,859 | 362,555 | 343,445 | 338,391 | 212,900 |
| | Total Male: | 202,317 | 189,394 | 175,718 | 165,541 | 164,883 | 102,745 |
| | Total Female: | 211,934 | 206,465 | 186,837 | 177,904 | 173,508 | 110,155 |
| | Total Female. | 211,554 | 200,400 | 100,007 | 177,504 | 173,300 | 110,133 |
| | 0-4 years | 15,468 | 11,900 | 13,196 | 12,335 | 9,431 | 6,739 |
| | 5-14 years | 33,119 | 25,986 | 26,800 | 25,312 | 19,121 | 13,812 |
| <+ | 15-24 years | 27,219 | 19,354 | 25,533 | 28,460 | 47,629 | 12,052 |
| è | 25-34 years | 32,768 | 22,996 | 29,134 | 21,649 | 21,294 | 13,657 |
| 0-5 | 35-44 years | 34,266 | 30,377 | 27,176 | 25,014 | 21,583 | 17,739 |
| 500 | 45-54 years | 26,775 | 29,378 | 22,267 | 20,982 | 19,583 | 15,133 |
| <u>(e</u> | 55-64 years | 16,962 | 20,691 | 13,897 | 14,651 | 12,763 | 10,569 |
| Male, 2000-2004 | | 9,528 | 15,551 | 9,552 | | 7,909 | 7,834 |
| | 65-74 years | | | | 10,456 | | |
| | 75-84 years | 5,319 | 10,599 | 6,319 | 5,369 | 4,508 | 4,452 |
| | 85+ years | 893 | 2,562 | 1,844 | 1,313 | 1,062 | 758 |
| | 0-4 years | 15,070 | 11,596 | 12,864 | 12,240 | 9,188 | 6,566 |
| | 5-14 years | 31,388 | 24,627 | 25,396 | 24,193 | 18,120 | 13,089 |
| 04 | 15-24 years | 27,452 | 19,522 | 25,752 | 29,220 | 48,040 | 12,156 |
| Female, 2000-2004 | 25-34 years | 33,186 | 23,290 | 29,506 | 23,342 | 21,566 | 13,833 |
| 8 | 35-44 years | 35,505 | 31,475 | 28,157 | 26,722 | 22,361 | 18,379 |
| , 7 | 45-54 years | 28,636 | 31,418 | 23,817 | 22,786 | 20,942 | 16,184 |
| ale | 55-64 years | 18,598 | 22,685 | 15,234 | 15,964 | 13,991 | 11,588 |
| em | 65-74 years | 11,608 | 18,946 | 11,639 | 11,924 | 9,635 | 9,545 |
| ш | 75-84 years | 8,231 | 16,404 | 9,788 | 8,101 | 6,974 | 6,893 |
| | - | 2,260 | 6,502 | 4,684 | 3,413 | 2,691 | 1,922 |
| | 85+ years | 2,200 | 0,302 | 4,004 | J, 4 1J | 2,031 | |
| | | | | | | | Dilea Casale |
| | 2005 Omb | Now Cootle | Duo an altra citica a | Wiles in orton | Davier Cre | atan Nassanis | Pike Creek- |
| | 2005 Only | New Castle | Brandywine | Wilmington | Dover Gre | eater Newark | Central |
| | - | | - | - | | | Central Kirkwood |
| | Total (M + F): | 83,884 | 79,395 | 72,213 | 73,457 | 68,069 | Central Kirkwood 42,700 |
| | Total (M + F): Total Male: | 83,884 40,922 | 79,395 37,973 | 72,213 35,058 | 73,457 35,407 | 68,069 33,218 | Central Kirkwood 42,700 20,596 |
| | Total (M + F): | 83,884 | 79,395 | 72,213 | 73,457 | 68,069 | Central Kirkwood 42,700 |
| | Total (M + F): Total Male: Total Female: | 83,884 40,922 42,962 | 79,395 37,973 41,422 | 72,213 35,058 37,155 | 73,457 35,407 38,050 | 68,069 33,218 34,851 | Central Kirkwood 42,700 20,596 22,104 |
| | Total (M + F): Total Male: Total Female: 0-4 years | 83,884 40,922 42,962 3,104 | 79,395 37,973 41,422 2,372 | 72,213 35,058 37,155 2,840 | 73,457 35,407 38,050 2,606 | 68,069 33,218 34,851 1,896 | Central Kirkwood 42,700 20,596 22,104 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years | 83,884 40,922 42,962 3,104 6,487 | 79,395 37,973 41,422 2,372 5,000 | 72,213 35,058 37,155 2,840 5,002 | 73,457 35,407 38,050 2,606 5,143 | 68,069 33,218 34,851 1,896 3,683 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 |
| 5 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years | 83,884 40,922 42,962 3,104 6,487 5,453 | 79,395 37,973 41,422 2,372 5,000 3,813 | 72,213 35,058 37,155 2,840 5,002 5,308 | 73,457 35,407 38,050 2,606 5,143 6,239 | 68,069 33,218 34,851 1,896 3,683 9,557 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 |
| 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 |
| e, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 75-84 years 0-4 years 5-14 years 15-24 years 25-34 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 65-74 years 75-84 years 85+ years 5-14 years 15-24 years 15-24 years 25-34 years 35-44 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 6,808 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 5,944 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 5,455 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 5,352 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 4,208 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 3,488 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 5-14 years 15-24 years 15-24 years 25-34 years 25-34 years 45-54 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 6,808 6,069 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 5,944 6,537 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 5,455 4,881 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 5,352 5,172 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 4,208 4,438 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 3,488 3,378 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 35-44 years 45-54 years 45-54 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 6,808 6,069 4,279 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 5,944 6,537 5,033 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 5,455 4,881 3,403 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 5,352 5,172 3,692 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 4,208 4,438 3,232 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 3,488 3,378 2,586 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 35-44 years 35-44 years 45-54 years 55-64 years 65-74 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 6,808 6,069 4,279 2,307 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 5,944 6,537 5,033 3,770 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 5,455 4,881 3,403 2,186 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 5,352 5,172 3,692 2,553 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 4,208 4,438 3,232 1,905 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 3,488 3,378 2,586 1,898 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 35-44 years 45-54 years 45-54 years | 83,884 40,922 42,962 3,104 6,487 5,453 6,440 6,554 5,697 3,874 1,935 1,137 241 3,124 6,162 5,350 6,571 6,808 6,069 4,279 | 79,395 37,973 41,422 2,372 5,000 3,813 4,396 5,720 6,136 4,556 3,162 2,217 601 2,387 4,749 3,742 4,484 5,944 6,537 5,033 | 72,213 35,058 37,155 2,840 5,002 5,308 5,602 5,251 4,582 3,080 1,834 1,169 390 2,859 4,752 5,209 5,715 5,455 4,881 3,403 | 73,457 35,407 38,050 2,606 5,143 6,239 4,541 5,028 4,735 3,397 2,224 1,179 315 2,615 4,934 6,285 4,908 5,352 5,172 3,692 | 68,069 33,218 34,851 1,896 3,683 9,557 4,115 4,050 4,167 2,925 1,598 958 269 1,908 3,498 9,377 4,199 4,208 4,438 3,232 | Central Kirkwood 42,700 20,596 22,104 1,343 2,659 2,383 2,628 3,356 3,170 2,341 1,593 935 188 1,351 2,526 2,338 2,681 3,488 3,378 2,586 |

Appendix B: CCD Populations, 2000-2004 and 2005 Only

| Appo | naix B. OOB i opt | alutions, 2000 200 | Tulia 2000 Olliy | | | | |
|-------------------|---|---|---|---|---|---|--|
| | 2000-2004 | Lower Christiana | Middletown- Odessa | Central Pencader | Piedmont | Selbyville- Frankford | Upper Christiana |
| | Total (M + F): | 182,273 | 171,130 | 168,743 | 150,656 | 130,052 | 123,765 |
| | Total Male: | 87,741 | 83,744 | 83,163 | 72,160 | 63,081 | 60,667 |
| | | 94,532 | 87,386 | 85,580 | 78,496 | 66,971 | 63,098 |
| | Total Female: | 94,332 | 07,300 | 00,300 | 70,490 | 00,971 | 63,096 |
| | 0-4 years | 6,005 | 6,188 | 7,619 | 4,642 | 2,810 | 4,523 |
| | 5-14 years | 12,483 | 14,525 | 14,361 | 11,293 | 6,573 | 9,025 |
| 4 | 15-24 years | 11,250 | 9,689 | 10,392 | 7,047 | 5,785 | 9,259 |
| Male, 2000-2004 | 25-34 years | 11,848 | 11,230 | 14,851 | 5,180 | 5,393 | 11,230 |
| 0-7 | 35-44 years | 14,501 | 17,229 | 16,057 | 12,205 | 8,036 | 10,607 |
| 500 | 45-54 years | 11,276 | 12,261 | 11,479 | 13,698 | 9,261 | 8,077 |
| <u>'e</u> | 55-64 years | 7,963 | 7,395 | 5,290 | 8,830 | 10,700 | 4,659 |
| Mal | | | 3,278 | | 4,773 | 9,945 | 2,011 |
| _ | 65-74 years | 7,065 | | 2,134 | | | |
| | 75-84 years | 4,536 | 1,580 | 781 | 3,305 | 4,023 | 1,002 |
| | 85+ years | 814 | 369 | 199 | 1,187 | 555 | 274 |
| | 0-4 years | 5,851 | 6,035 | 7,425 | 4,522 | 2,732 | 4,407 |
| | 5-14 years | 11,827 | 13,767 | 13,613 | 10,703 | 6,259 | 8,552 |
| 04 | 15-24 years | 11,349 | 9,763 | 10,476 | 7,106 | 5,432 | 9,339 |
| Female, 2000-2004 | 25-34 years | 11,998 | 11,374 | 15,041 | 5,248 | 5,408 | 11,372 |
| 8 | 35-44 years | 15,022 | 17,857 | 16,639 | 12,644 | 8,240 | 10,988 |
| , 7 | 45-54 years | 12,060 | 13,111 | 12,276 | 14,650 | 9,683 | 8,639 |
| ale | 55-64 years | 8,731 | 8,109 | 5,796 | 9,680 | 11,807 | 5,106 |
| e. | 65-74 years | 8,608 | 3,994 | 2,598 | 5,815 | 10,869 | 2,452 |
| ш | 75-84 years | 7,022 | 2,443 | 1,209 | 5,117 | 5,272 | 1,549 |
| | 85+ years | 2,064 | 2,443 935 | 506 | 3,011 | 1,269 | 694 |
| | 00+ years | 2,004 | 900 | 300 | 3,011 | 1,203 | 094 |
| | | | | | | | |
| | 2005 Only | Lower Christiana | Middletown- Odessa | Central Pencader | Piedmont | Selbyville- Frankford | Upper Christiana |
| | - | Christiana | Odessa | Pencader | | Frankford | Christiana |
| | Total (M + F): | Christiana 36,509 | Odessa 41,049 | Pencader 36,259 | 30,919 | Frankford 28,653 | Christiana 25,055 |
| | Total (M + F): Total Male: | Christiana 36,509 17,568 | Odessa 41,049 20,059 | Pencader 36,259 17,835 | 30,919 14,802 | Frankford 28,653 13,906 | Christiana 25,055 12,267 |
| | Total (M + F): | Christiana 36,509 | Odessa 41,049 | Pencader 36,259 | 30,919 | Frankford 28,653 | Christiana 25,055 |
| | Total (M + F): Total Male: Total Female: | Christiana 36,509 17,568 | Odessa 41,049 20,059 | Pencader 36,259 17,835 | 30,919 14,802 | Frankford 28,653 13,906 | Christiana 25,055 12,267 |
| | Total (M + F): Total Male: Total Female: 0-4 years | Christiana 36,509 17,568 18,941 1,193 | Odessa 41,049 20,059 20,990 1,474 | Pencader 36,259 17,835 18,424 1,619 | 30,919 14,802 16,117 | Frankford 28,653 13,906 14,747 618 | Christiana 25,055 12,267 12,788 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years | Christiana 36,509 17,568 18,941 1,193 2,403 | Odessa 41,049 20,059 20,990 1,474 3,382 | Pencader 36,259 17,835 18,424 1,619 2,995 | 30,919 14,802 16,117 947 2,236 | Frankford 28,653 13,906 14,747 618 1,333 | Christiana 25,055 12,267 12,788 908 1,763 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 | Pencader 36,259 17,835 18,424 1,619 2,995 2,210 | 30,919 14,802 16,117 947 2,236 1,421 | Frankford 28,653 13,906 14,747 618 1,333 1,329 | 25,055 12,267 12,788 908 1,763 1,858 |
| 5005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 | 30,919 14,802 16,117 947 2,236 1,421 974 | 28,653 13,906 14,747 618 1,333 1,329 1,082 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 |
| e, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 | 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 | 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 | 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years | 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years | 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 | Pencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 2,324 2,840 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 2,655 4,100 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 3,181 3,413 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 993 2,453 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 1,062 1,659 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 2,265 2,111 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 15-24 years 25-34 years 25-34 years 35-44 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 2,324 2,840 2,529 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 2,655 4,100 3,274 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 3,181 3,413 2,757 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 993 2,453 3,098 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 1,062 1,659 2,207 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 2,265 2,111 1,831 |
| <u>'e</u> | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 55-64 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 25-34 years 25-34 years 35-44 years 45-54 years 55-64 years 55-64 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 2,324 2,840 2,529 1,970 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 2,655 4,100 3,274 2,189 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 3,181 3,413 2,757 1,463 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 993 2,453 3,098 2,178 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 1,062 1,659 2,207 2,709 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 2,265 2,111 1,831 1,186 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 2,324 2,840 2,529 1,970 1,712 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 2,655 4,100 3,274 2,189 936 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 3,181 3,413 2,757 1,463 535 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 993 2,453 3,098 2,178 1,181 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 1,062 1,659 2,207 2,709 2,400 | 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 2,265 2,111 1,831 1,186 481 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 55-64 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 25-34 years 25-34 years 35-44 years 45-54 years 55-64 years 55-64 years | Christiana 36,509 17,568 18,941 1,193 2,403 2,224 2,277 2,733 2,374 1,783 1,435 949 197 1,201 2,283 2,182 2,324 2,840 2,529 1,970 | Odessa 41,049 20,059 20,990 1,474 3,382 2,296 2,601 3,946 3,074 1,981 786 402 117 1,483 3,212 2,254 2,655 4,100 3,274 2,189 | Rencader 36,259 17,835 18,424 1,619 2,995 2,210 3,117 3,284 2,588 1,325 448 183 66 1,629 2,844 2,168 3,181 3,413 2,757 1,463 | 30,919 14,802 16,117 947 2,236 1,421 974 2,362 2,908 1,972 990 710 282 954 2,123 1,395 993 2,453 3,098 2,178 | Frankford 28,653 13,906 14,747 618 1,333 1,329 1,082 1,605 2,118 2,527 2,152 978 164 615 1,260 1,266 1,062 1,659 2,207 2,709 | Christiana 25,055 12,267 12,788 908 1,763 1,858 2,219 2,032 1,718 1,075 403 217 74 914 1,675 1,823 2,265 2,111 1,831 1,186 |

Appendix B: CCD Populations, 2000-2004 and 2005 Only

| | 2000-2004 | Seaford | Lewes | Laurel-Delmar | Millsboro | Central Kent | Milford South |
|-------------------------|---|---|--|--|--|---|--|
| | Total (M + F): | 114,389 | 114,118 | 104,414 | 102,485 | 95,594 | 86,956 |
| | Total Male: | 55,949 | 54,878 | 51,266 | 49,750 | 46,408 | 42,564 |
| | Total Female: | 58,440 | 59,240 | 53,148 | 52,735 | 49,186 | 44,392 |
| | 0-4 years | 3,796 | 2,326 | 3,736 | 2,457 | 3,679 | 2,567 |
| | 5-14 years | 8,793 | 4,762 | 7,562 | 5,676 | 8,335 | 6,586 |
| 4 | 15-24 years | 7,574 | 4,496 | 6,817 | 4,993 | 6,554 | 5,483 |
| 500 | 25-34 years | 6,272 | 4,434 | 6,177 | 4,674 | 5,880 | 4,484 |
| 00 | 35-44 years | 8,385 | 7,171 | 8,008 | 6,904 | 8,281 | 6,990 |
| , 20 | 45-54 years | 7,986 | 8,667 | 7,051 | 6,951 | 5,913 | 6,259 |
| Male, 2000-2004 | 55-64 years | 5,327 | 8,916 | 5,155 | 7,225 | 4,062 | 4,297 |
| 2 | 65-74 years | 3,998 | 8,409 | 3,969 | 7,102 | 2,591 | 3,330 |
| | 75-84 years | 3,037 | 4,818 | 2,335 | 3,223 | 950 | 2,038 |
| | 85+ years | 781 | 879 | 456 | 545 | 163 | 530 |
| | 0-4 years | 3,694 | 2,264 | 3,634 | 2,392 | 3,650 | 2,498 |
| _ | 5-14 years | 8,374 | 4,534 | 7,200 | 5,406 | 7,966 | 6,270 |
| Female, 2000-2004 | 15-24 years | 7,112 | 4,223 | 6,403 | 4,690 | 6,730 | 5,150 |
| 0-5 | 25-34 years | 6,291 | 4,447 | 6,197 | 4,690 | 6,340 | 4,499 |
| 200 | 35-44 years | 8,596 | 7,352 | 8,212 | 7,082 | 8,843 | 7,168 |
| <u>e</u> | 45-54 years | 8,351 | 9,060 | 7,371 | 7,267 | 6,423 | 6,543 |
| шa | 55-64 years | 5,878 | 9,840 | 5,688 | 7,975 | 4,427 | 4,740 |
| Fe | 65-74 years | 4,370 | 9,191 | 4,339 | 7,760 | 2,952 | 3,638 |
| | 75-84 years | 3,980 | 6,311 | 3,060 | 4,224 | 1,433 | 2,669 |
| | 85+ years | 1,794 | 2,018 | 1,044 | 1,248 | 422 | 1,217 |
| | | | | | | | |
| | 2005 Only | Seaford | Lewes | Laurel-Delmar | Millsboro | Central Kent | Milford South |
| | - | | | | | | |
| | 2005 Only Total (M + F): Total Male: | 23,433 | 24,722 | 21,602 | 21,871 | 20,869 | 18,731 |
| | Total (M + F): | | | | | | |
| | Total (M + F): Total Male: | 23,433 11,464 | 24,722 11,906 | 21,602 10,603 | 21,871 10,623 | 20,869 10,125 | 18,731 9,169 |
| | Total (M + F): Total Male: Total Female: | 23,433 11,464 11,969 776 1,710 | 24,722 11,906 12,816 | 21,602 10,603 10,999 | 21,871 10,623 11,248 | 20,869 10,125 10,744 | 18,731 9,169 9,562 |
| | Total (M + F): Total Male: Total Female: 0-4 years | 23,433 11,464 11,969 776 | 24,722 11,906 12,816 | 21,602 10,603 10,999 | 21,871 10,623 11,248 | 20,869 10,125 10,744 794 | 18,731 9,169 9,562 552 |
| 05 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 | 24,722 11,906 12,816 503 930 1,023 867 | 21,602 10,603 10,999 772 1,479 1,445 1,203 | 21,871 10,623 11,248 523 1,124 1,106 917 | 20,869 10,125 10,744 794 1,743 1,474 1,258 | 18,731 9,169 9,562 552 1,346 1,212 899 |
| . 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 | 24,722 11,906 12,816 503 930 1,023 867 1,410 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 |
| ale, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 25-34 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 35-44 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 1,628 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 1,457 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 1,577 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 1,390 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 1,825 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 1,439 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 5-14 years 15-24 years 25-34 years 25-34 years 45-54 years 45-54 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 1,628 1,772 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 1,457 2,027 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 1,577 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 1,390 1,609 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 1,825 1,487 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 1,439 1,459 |
| Female, 2005 Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 5-14 years 15-24 years 25-34 years 25-34 years 25-34 years 25-34 years 35-44 years 25-64 years 55-64 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 1,628 1,772 1,303 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 1,457 2,027 2,225 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 1,577 1,582 1,267 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 1,390 1,609 1,787 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 1,825 1,487 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 1,439 1,459 1,099 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 25-34 years 25-34 years 25-34 years 25-34 years 35-44 years 35-44 years 45-54 years 65-74 years 65-74 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 1,628 1,772 1,303 892 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 1,457 2,027 2,225 1,995 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 1,577 1,582 1,267 895 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 1,390 1,609 1,787 1,659 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 1,825 1,487 1,045 646 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 1,439 1,459 1,099 781 |
| V | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 5-14 years 15-24 years 25-34 years 25-34 years 25-34 years 25-34 years 35-44 years 25-64 years 55-64 years | 23,433 11,464 11,969 776 1,710 1,589 1,201 1,577 1,700 1,215 799 696 201 774 1,615 1,514 1,180 1,628 1,772 1,303 | 24,722 11,906 12,816 503 930 1,023 867 1,410 1,943 2,077 1,789 1,128 236 501 879 975 852 1,457 2,027 2,225 | 21,602 10,603 10,999 772 1,479 1,445 1,203 1,526 1,518 1,182 802 550 126 768 1,398 1,377 1,181 1,577 1,582 1,267 | 21,871 10,623 11,248 523 1,124 1,106 917 1,345 1,543 1,668 1,487 759 151 522 1,061 1,054 901 1,390 1,609 1,787 | 20,869 10,125 10,744 794 1,743 1,474 1,258 1,715 1,361 961 562 215 42 796 1,672 1,485 1,360 1,825 1,487 | 18,731 9,169 9,562 552 1,346 1,212 899 1,393 1,398 1,025 701 497 146 550 1,272 1,154 883 1,439 1,459 1,099 |

Appendix B: CCD Populations, 2000-2004 and 2005 Only

| | 2000-2004 | Smyrna | Georgetown | Milton | Harrington | Bridgeville- Greenwood | Milford North |
|-------------------------|---|---|---|---|---|--|---|
| | Total (M + F): | 64,364 | 63,449 | 57,258 | 54,416 | 49,606 | 47,322 |
| | Total Male: | 30,819 | 31,283 | 27,965 | 26,247 | 24,379 | 22,686 |
| | Total Female: | 33,545 | 32,166 | 29,293 | 28,169 | 25,227 | 24,636 |
| | 0-4 years | 2,252 | 1,998 | 1,732 | 2,060 | 1,878 | 1,562 |
| | 5-14 years | 4,850 | 3,749 | 3,564 | 4,325 | 4,021 | 3,562 |
| 04 | 15-24 years | 3,964 | 5,762 | 3,174 | 3,311 | 3,272 | 3,059 |
| -50 | 25-34 years | 4,039 | 5,299 | 2,989 | 3,350 | 3,083 | 2,712 |
| 00 | 35-44 years | 4,998 | 4,938 | 4,178 | 4,146 | 3,646 | 3,427 |
| 3, 2 | 45-54 years | 3,985 | 3,798 | 4,135 | 3,599 | 3,196 | 2,950 |
| Male, 2000-2004 | 55-64 years | 2,715 | 2,432 | 3,360 | 2,507 | 2,273 | 2,314 |
| _ | 65-74 years | 2,324 | 1,808 | 3,059 | 1,855 | 1,746 | 1,842 |
| | 75-84 years | 1,310 | 1,220 | 1,519 | 963 | 1,012 | 1,046 |
| | 85+ years | 382 | 279 | 255 | 131 | 252 | 212 |
| | 0-4 years | 2,236 | 1,944 | 1,682 | 2,045 | 1,827 | 1,547 |
| 4 | 5-14 years | 4,634 | 3,571 | 3,395 | 4,133 | 3,830 | 3,405 |
| Female, 2000-2004 | 15-24 years | 4,069 | 5,413 | 2,984 | 3,399 | 3,073 | 3,139 |
| 8 | 25-34 years | 4,356 5,338 | 5,312 5,063 | 2,998 4,284 | 3,611 | 3,091 3,739 | 2,925 3,662 |
| 20 | 35-44 years 45-54 years | 4,329 | 3,970 | 4,204 | 4,430 3,910 | 3,739 | 3,002 |
| ale, | 55-64 years | 2,958 | 2,684 | 3,706 | 2,733 | 2,510 | 2,519 |
| em | 65-74 years | 2,652 | 1,975 | 3,343 | 2,733 | 1,912 | 2,101 |
| ш | 75-84 years | 1,979 | 1,598 | 1,989 | 1,454 | 1,312 | 1,577 |
| | 85+ years | 992 | 637 | 590 | 337 | 578 | 555 |
| | | | | | | | |
| | 2005 Only | Smyrna | Georgetown | Milton | Harrington | Bridgeville- Greenwood | Milford North |
| | Total (M + F): | 14,710 | 14,124 | 12,759 | 11,962 | Greenwood 10,660 | 10,755 |
| | Total (M + F): Total Male: | 14,710 7,042 | 14,124 6,962 | 12,759 6,231 | 11,962 5,769 | Greenwood 10,660 5,239 | 10,755 5,154 |
| | Total (M + F): | 14,710 | 14,124 | 12,759 | 11,962 | Greenwood 10,660 | 10,755 |
| | Total (M + F): Total Male: Total Female: 0-4 years | 14,710 7,042 7,668 | 14,124 6,962 7,162 | 12,759 6,231 6,528 385 | 11,962 5,769 6,193 | Greenwood 10,660 5,239 5,421 403 | 10,755 5,154 5,601 350 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years | 14,710 7,042 7,668 508 1,054 | 14,124 6,962 7,162 444 779 | 12,759 6,231 6,528 385 744 | 11,962 5,769 6,193 448 907 | Greenwood 10,660 5,239 5,421 403 823 | 10,755 5,154 5,601 350 770 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years | 14,710 7,042 7,668 508 1,054 935 | 14,124 6,962 7,162 444 779 1,300 | 12,759 6,231 6,528 385 744 730 | 11,962 5,769 6,193 448 907 752 | Greenwood 10,660 5,239 5,421 403 823 720 | 10,755 5,154 5,601 350 770 717 |
| 205 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years | 14,710 7,042 7,668 508 1,054 935 906 | 14,124 6,962 7,162 444 779 1,300 1,138 | 12,759 6,231 6,528 385 744 730 621 | 11,962 5,769 6,193 448 907 752 722 | Greenwood 10,660 5,239 5,421 403 823 720 626 | 10,755 5,154 5,601 350 770 717 603 |
| 5, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 | 12,759 6,231 6,528 385 744 730 621 856 | 11,962 5,769 6,193 448 907 752 722 859 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 | 10,755 5,154 5,601 350 770 717 603 732 |
| //ale, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 | 12,759 6,231 6,528 385 744 730 621 856 955 | 11,962 5,769 6,193 448 907 752 722 859 831 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 | 10,755 5,154 5,601 350 770 717 603 732 706 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 | 12,759 6,231 6,528 385 744 730 621 856 955 818 | 11,962 5,769 6,193 448 907 752 722 859 831 594 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 | 10,755 5,154 5,601 350 770 717 603 732 706 564 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 25-34 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 978 1,147 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 1,048 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 884 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 914 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 743 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 780 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 5-14 years 5-14 years 5-14 years 5-14 years 45-54 years 45-54 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 978 1,147 1,048 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 1,048 922 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 884 996 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 914 908 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 743 746 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 780 771 |
| Female, 2005 Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 35-44 years 55-14 years 15-24 years 25-34 years 35-44 years 35-44 years 35-64 years 55-64 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 978 1,147 1,048 730 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 1,048 922 657 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 884 996 877 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 914 908 645 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 743 746 584 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 780 771 613 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 75-84 years 85+ years 5-14 years 15-24 years 25-34 years 35-44 years 55-14 years 15-24 years 25-34 years 25-34 years 35-44 years 35-64 years 65-74 years 65-74 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 978 1,147 1,048 730 606 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 1,048 922 657 437 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 884 996 877 745 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 914 908 645 465 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 743 746 584 409 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 780 771 613 478 |
| Male, | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 35-44 years 55-14 years 15-24 years 25-34 years 35-44 years 35-44 years 35-64 years 55-64 years | 14,710 7,042 7,668 508 1,054 935 906 1,078 959 672 528 306 96 510 1,012 942 978 1,147 1,048 730 | 14,124 6,962 7,162 444 779 1,300 1,138 1,015 884 613 392 314 83 442 735 1,238 1,117 1,048 922 657 | 12,759 6,231 6,528 385 744 730 621 856 955 818 668 378 76 384 703 695 610 884 996 877 | 11,962 5,769 6,193 448 907 752 722 859 831 594 406 217 33 449 869 758 779 914 908 645 | Greenwood 10,660 5,239 5,421 403 823 720 626 720 716 544 366 250 71 401 778 685 615 743 746 584 | 10,755 5,154 5,601 350 770 717 603 732 706 564 416 242 54 351 739 722 651 780 771 613 |



Appendix B: CCD Populations, 2000-2004 and 2005 Only

| | 2000-2004 | Red Lion | Felton | Kenton |
|-------------------------|--|---|---|---|
| | Total (M + F): | 30,764 | 28,448 | 27,924 |
| | Total Male: | 14,987 | 13,761 | 13,540 |
| | Total Female: | 15,777 | 14,687 | 14,384 |
| | 0-4 years | 1,133 | 895 | 939 |
| | 5-14 years | 2,459 | 2,289 | 2,344 |
| 04 | 15-24 years | 1,856 | 1,643 | 1,925 |
| -20 | 25-34 years | 2,141 | 1,931 | 1,632 |
| 8 | 35-44 years | 2,690 | 2,350 | 2,260 |
| e, 2 | 45-54 years | 2,093 | 2,016 | 1,891 |
| Male, 2000-2004 | 55-64 years | 1,455 702 | 1,377 | 1,444 |
| _ | 65-74 years 75-84 years | 350 | 880 324 | 738 331 |
| | 85+ years | 108 | 56 | 36 |
| | • | | | |
| | 0-4 years 5-14 years | 1,106 2,330 | 890 2,189 | 931 2,239 |
| 04 | 15-24 years | 1,872 | 1,686 | 1,979 |
| -20 | 25-34 years | 2,168 | 2,083 | 1,757 |
| 00 | 35-44 years | 2,788 | 2,509 | 2,413 |
| e, 2 | 45-54 years | 2,240 | 2,191 | 2,054 |
| Female, 2000-2004 | 55-64 years | 1,596 | 1,502 | 1,574 |
| Fe | 65-74 years | 856 | 1,001 | 841 |
| | 75-84 years | 543 | 488 | 499 |
| | 85+ years | 277 | 147 | 97 |
| | | | | |
| | 2005 Only | Red Lion | Felton | Kenton |
| | Total (M + F): | 6,965 | 6,123 | 6,093 |
| | Total (M + F): Total Male: | 6, 96 5 3,389 | 6,123 2,959 | 6,093 2,953 |
| | Total (M + F): | 6,965 | 6,123 | 6,093 |
| | Total (M + F): Total Male: Total Female: 0-4 years | 6,965 3,389 3,576 | 6,123 2,959 3,164 | 6,093 2,953 3,140 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years | 6,965 3,389 3,576 254 539 | 6,123 2,959 3,164 190 470 | 6,093 2,953 3,140 202 489 |
| | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years | 6,965 3,389 3,576 254 539 415 | 6,123 2,959 3,164 190 470 366 | 6,093 2,953 3,140 202 489 433 |
| 5005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years | 6,965 3,389 3,576 254 539 415 468 | 6,123 2,959 3,164 190 470 366 409 | 6,093 2,953 3,140 202 489 433 348 |
| e, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years | 6,965 3,389 3,576 254 539 415 468 578 | 6,123 2,959 3,164 190 470 366 409 478 | 6,093 2,953 3,140 202 489 433 348 466 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | 6,965 3,389 3,576 254 539 415 468 578 496 | 6,123 2,959 3,164 190 470 366 409 478 454 | 6,093 2,953 3,140 202 489 433 348 466 433 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 | 6,123 2,959 3,164 190 470 366 409 478 454 318 | 6,093 2,953 3,140 202 489 433 348 466 433 337 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years | 6,965 3,389 3,576 254 539 415 468 578 496 | 6,123 2,959 3,164 190 470 366 409 478 454 | 6,093 2,953 3,140 202 489 433 348 466 433 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 |
| Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 15-24 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 55-64 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 15-24 years 35-44 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 600 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 510 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 496 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 0-4 years 5-14 years 15-24 years 15-24 years 25-34 years 35-44 years 45-54 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 600 529 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 510 496 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 496 473 |
| Female, 2005 Male, 2005 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 5-14 years 15-24 years 25-34 years 25-34 years 35-44 years 45-54 years 35-44 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 600 529 403 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 510 496 347 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 496 473 367 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 15-24 years 15-24 years 25-34 years 35-44 years 45-54 years 35-44 years 45-54 years 45-54 years 65-74 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 600 529 403 190 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 510 496 347 216 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 496 473 367 184 |
| 2 | Total (M + F): Total Male: Total Female: 0-4 years 5-14 years 15-24 years 25-34 years 35-44 years 45-54 years 65-74 years 75-84 years 85+ years 5-14 years 15-24 years 25-34 years 25-34 years 35-44 years 45-54 years 35-44 years | 6,965 3,389 3,576 254 539 415 468 578 496 365 160 84 30 257 512 408 478 600 529 403 | 6,123 2,959 3,164 190 470 366 409 478 454 318 188 72 14 191 451 369 441 510 496 347 | 6,093 2,953 3,140 202 489 433 348 466 433 337 160 75 10 203 469 436 376 496 473 367 |



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